

In re Application of Radford et al.
Application No. 10/790,566

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Canceled)

3. (Currently Amended) An intimate apparel article comprising at least one fabric component and at least one polyurethane foam component in contact with said at least one fabric component, wherein said foam component comprises an additive formulation therein of at least three components, wherein two of such components consist of at least one benzotriazole and at least one lactone-based antioxidant, and the third is selected from the group consisting of at least one secondary phenyl amine, at least one hindered phenol or BHT derivative, and any mixtures thereof, and ~~The intimate apparel article of Claim 1 wherein a coloring agent exhibiting an absorption maximum within the range of wavelengths of from 565 to 625 nm is present in an amount of from about 0.001 to about 0.01 php of the total foam composition.~~

4. (Currently Amended) An intimate apparel article comprising at least one fabric component and at least one polyurethane foam component in contact with said at least one fabric component, wherein said foam component comprises an additive formulation comprising at least one benzotriazole, at least one lactone-based antioxidant, at least one secondary phenyl amine, and at least one hindered phenol or BHT derivative, and ~~The intimate apparel article of Claim 2 wherein a coloring agent exhibiting an absorption maximum within the range of wavelengths of from 565 to 625 nm is present in an amount of from about 0.001 to about 0.01 php of the total foam composition.~~

5. (Currently Amended) An intimate apparel article comprising at least one fabric component and at least one polyurethane foam component in contact with said at least one fabric component, wherein said foam component comprises an additive formulation therein of at least three components, wherein two of such components consist of at least one benzotriazole and at least one lactone-based antioxidant, and the third is selected from the group consisting of at least one

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secondary phenyl amine, at least one hindered phenol or BHT derivative, and any mixtures thereof, and ~~The intimate apparel article of Claim 1 wherein said article is a brassiere.~~

6. (Currently Amended) An intimate apparel article comprising at least one fabric component and at least one polyurethane foam component in contact with said at least one fabric component, wherein said foam component comprises an additive formulation comprising at least one benzotriazole, at least one lactone-based antioxidant, at least one secondary phenyl amine, and at least one hindered phenol or BHT derivative, and ~~The intimate apparel article of Claim 2 wherein said article is a brassiere.~~

7. (Original) The intimate apparel article of Claim 3 wherein said article is a brassiere.

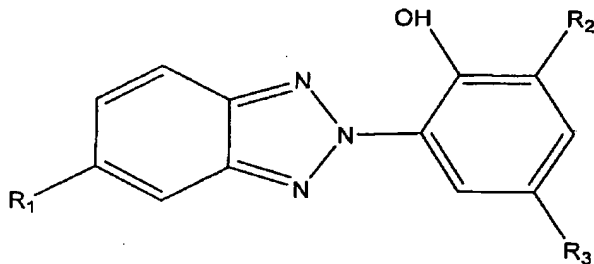
8. (Original) The intimate apparel article of Claim 4 wherein said article is a brassiere.

9. (Canceled)

10. (Canceled)

11. (New) The intimate apparel article of Claim 3 wherein said at least one benzotriazole conforms to the structure of Formula (I)

(I)

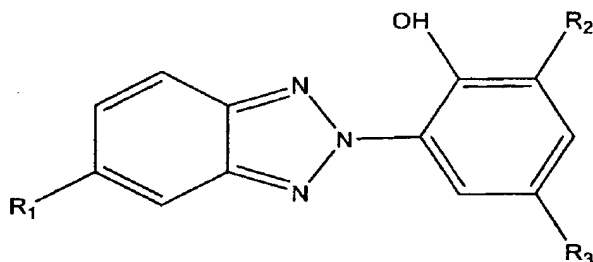


wherein R₁, R₂, and R₃ are individually selected from the group consisting of hydrogen, C_xH_yO_z, where x, y, and z are from 0 to 30, and a halogen.

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12. (New) The intimate apparel article of Claim 4 wherein said at least one benzotriazole conforms to the structure of Formula (I)

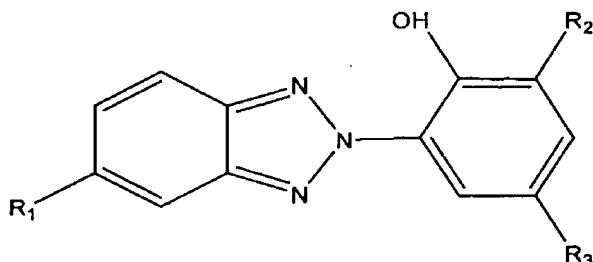
(I)



wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

13. (New) The intimate apparel article of Claim 5 said at least one benzotriazole conforms to the structure of Formula (I)

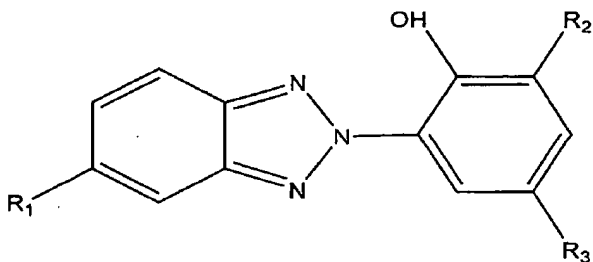
(I)



wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

14. (New) The intimate apparel article of Claim 6 wherein said at least one benzotriazole conforms to the structure of Formula (I)

(I)

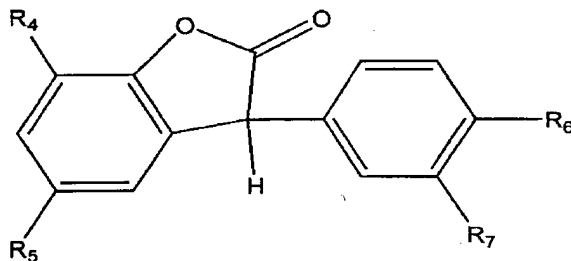


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wherein R_1 , R_2 , and R_3 are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

15. (New) The intimate apparel article of Claim 3 wherein said at least one lactone-based antioxidant conforms to the structure of Formula (II)

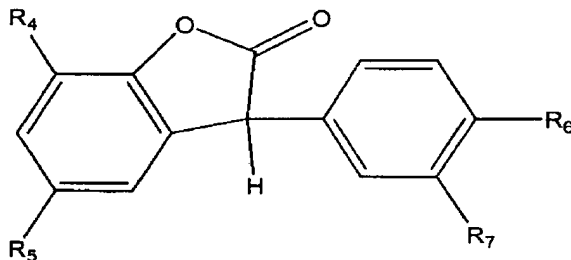
(II)



wherein R_4 , R_5 , R_6 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl.

16. (New) The intimate apparel article of Claim 4 wherein said at least one lactone-based antioxidant conforms to the structure of Formula (II)

(II)

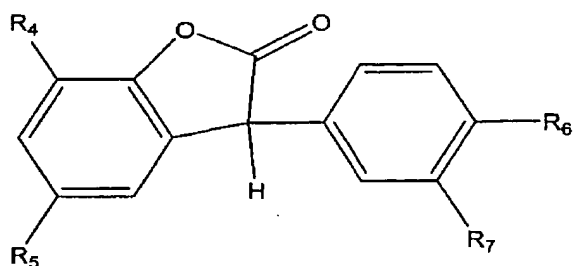


wherein R_4 , R_5 , R_6 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl.

17. (New) The intimate apparel article of Claim 5 wherein said at least one lactone-based antioxidant conforms to the structure of Formula (II)

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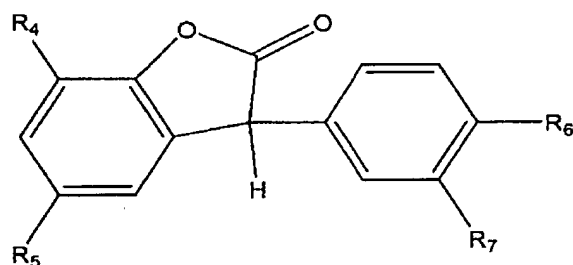
(II)



wherein R_4 , R_5 , R_6 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl.

18. (New) The intimate apparel article of Claim 6 wherein said at least one lactone-based antioxidant conforms to the structure of Formula (II)

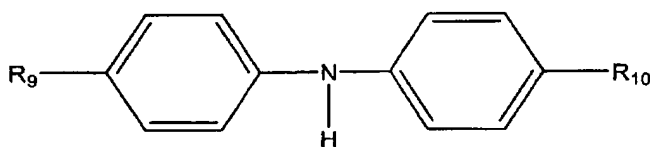
(II)



wherein R_4 , R_5 , R_6 , and R_7 are individually selected from the group consisting of hydrogen and C_{1-30} alkyl.

19. (New) The intimate apparel article of Claim 3 wherein, when said third component comprises at least one secondary phenyl amine, the secondary phenyl amine conforms to the structure of Formula (III)

(III)

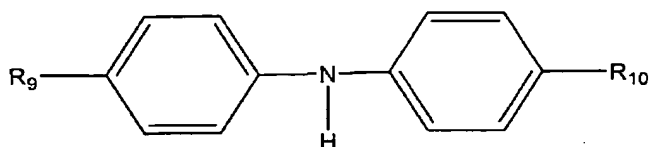


wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

20. (New) The intimate apparel article of Claim 4 wherein said at least one secondary phenyl amine conforms to the structure of Formula (III)

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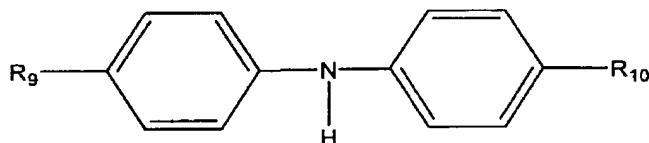
(III)



wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

21. (New) The intimate apparel article of Claim 5 wherein, when said third component comprises at least one secondary phenyl amine, the secondary phenyl amine conforms to the structure of Formula (III)

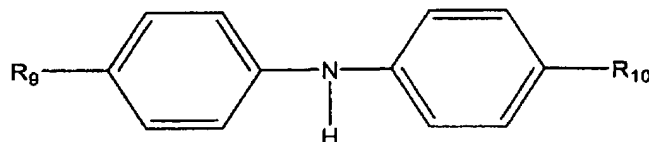
(III)



wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

22. (New) The intimate apparel article of Claim 6 wherein said at least one secondary phenyl amine conforms to the structure of Formula (III)

(III)

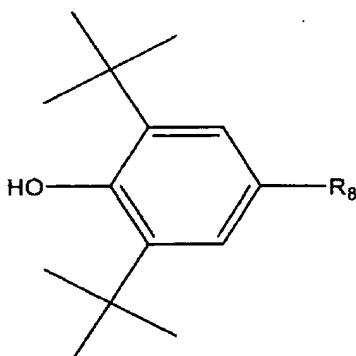


wherein R_9 and R_{10} are individually selected from the group consisting of hydrogen, $C_xH_yO_z$, where x , y , and z are from 0 to 30, and a halogen.

23. (New) The intimate apparel article of Claim 3 wherein, when said third component comprises at least one hindered phenol or BHT derivative, the hindered phenol or BHT derivative conforms to the structure of Formula (IV)

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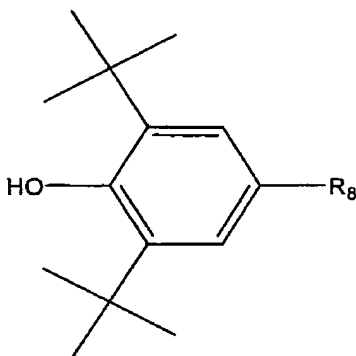
(IV)



wherein R₈ is selected from the group consisting of hydrogen, C_xH_yO_z, where x, y, and z are from 0 to 30, and a halogen.

24. (New) The intimate apparel article of Claim 4 wherein said at least one hindered phenol or BHT derivative conforms to the structure of Formula (IV)

(IV)

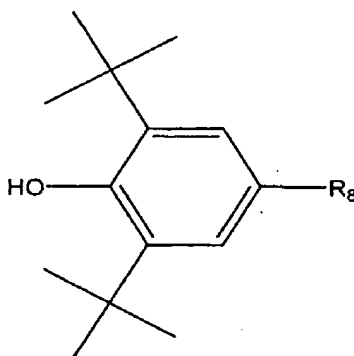


wherein R₈ is selected from the group consisting of hydrogen, C_xH_yO_z, where x, y, and z are from 0 to 30, and a halogen.

25. (New) The intimate apparel article of Claim 5 wherein, when said third component comprises at least one hindered phenol or BHT derivative, the hindered phenol or BHT derivative conforms to the structure of Formula (IV)

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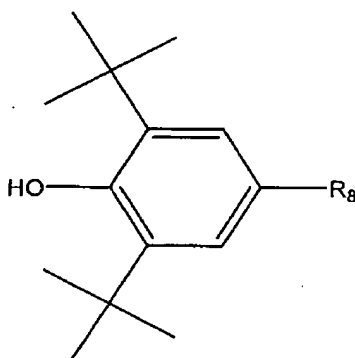
(IV)



wherein R₈ is selected from the group consisting of hydrogen, C_xH_yO_z, where x, y, and z are from 0 to 30, and a halogen.

26. (New) The intimate apparel article of Claim 6 wherein said at least one hindered phenol or BHT derivative conforms to the structure of Formula (IV)

(IV)



wherein R₈ is selected from the group consisting of hydrogen, C_xH_yO_z, where x, y, and z are from 0 to 30, and a halogen.